

# DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

Please Read Application And Notes, If Any, Attached

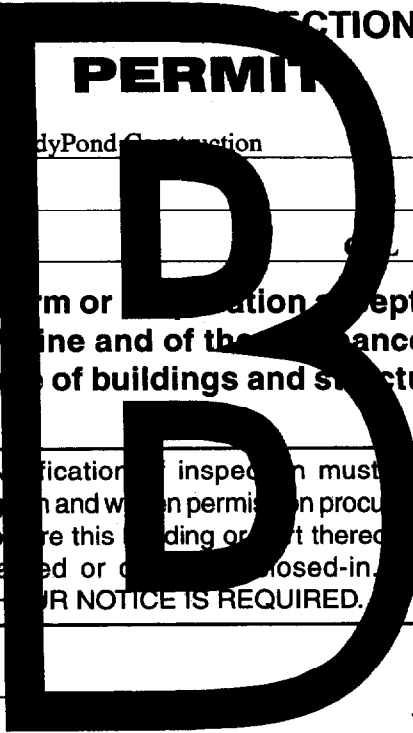
BUILDING DEPARTMENT

## PERMIT

Permit Number: 020645

This is to certify that Portland Housing Authority/EdyPond Construction  
has permission to Install new sprinkler system  
AT 284 Danforth Street 057 F001001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.



Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and when permission is procured before this building or part thereof is laid or closed-in. 24 HOUR NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

### OTHER REQUIRED APPROVALS

Fire Dept. [Signature]  
Health Dept. \_\_\_\_\_  
Appeal Board \_\_\_\_\_  
Other \_\_\_\_\_  
Department Name

[Signature]  
Director - Building & Inspection Services

**PENALTY FOR REMOVING THIS CARD**

02-0645

# All Purpose Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>284 DALFORTA ST</u>		
Total Square Footage of Proposed Structure <u>EXISTING</u>	Square Footage of Lot	
Tax Assessor's Chart, Block & Lot Chart# <u>057</u> Block# <u>F</u> Lot# <u>001</u>	Owner: <u>PORTLAND HOUSING AUTHORITY</u>	Telephone:
Lessee/Buyer's Name (If Applicable) <u>NA</u>	Applicant name, address & telephone: <u>HARDYOND CONST, 45 BRIDGTON RD WESTBROOK</u>	Cost Of Work: <u>\$34,600</u> Fee: \$ <u>268.00</u>
Current use: <u>APARTMENT COMPLEX</u>		
If the location is currently vacant, what was prior use: <u>—</u>		
Approximately how long has it been vacant: <u>—</u>		
Proposed use: <u>CURRENT APARTMENTS</u>		
Project description: <u>INSTALL SPRINKLER SYSTEM EXPANSION (GENERAL CONST WORK BY HARDYOND CONST)</u>		
Contractor's name, address & telephone: <u>HARDYOND CONSTRUCTION 45 BRIDGTON RD WESTBROOK</u>		
Who should we contact when the permit is ready: <u>BOB GAUDREAU</u>		
Mailing address: <u>SAME AS ABOVE</u> <u>HA (cell)</u>		
We will contact you by phone when the permit is ready. You must come in and pick up the permit and review the requirements before starting any work, with a Plan Reviewer. A stop work order will be issued and a \$100.00 fee if any work starts before the permit is picked up. PHONE: <u>797-6066</u>		

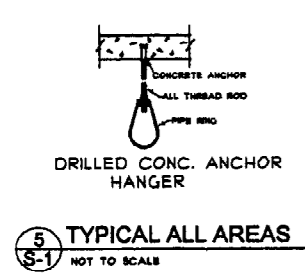
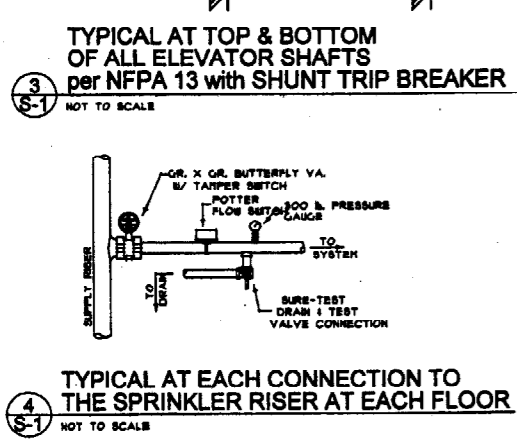
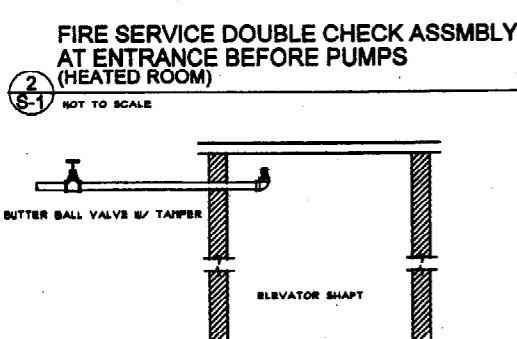
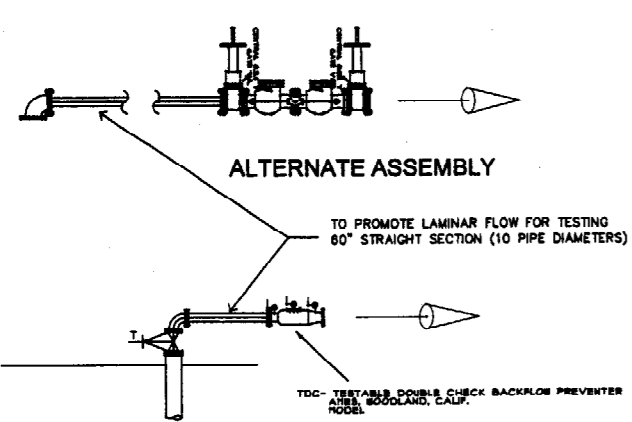
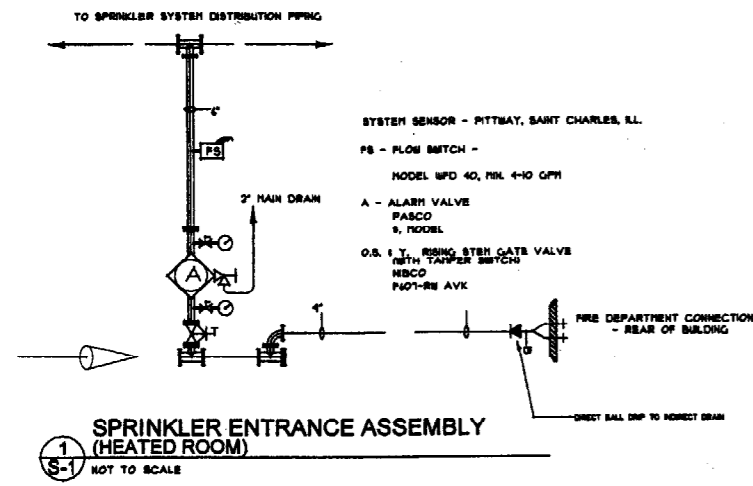
**IF THE REQUIRED INFORMATION IS NOT INCLUDED IN THE SUBMISSIONS THE PERMIT WILL BE AUTOMATICALLY DENIED AT THE DISCRETION OF THE BUILDING/PLANNING DEPARTMENT, WE MAY REQUIRE ADDITIONAL INFORMATION IN ORDER TO APPROVE THIS PERMIT.**

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: <u>[Signature]</u>	Date: <u>6/12/02</u>
--	----------------------

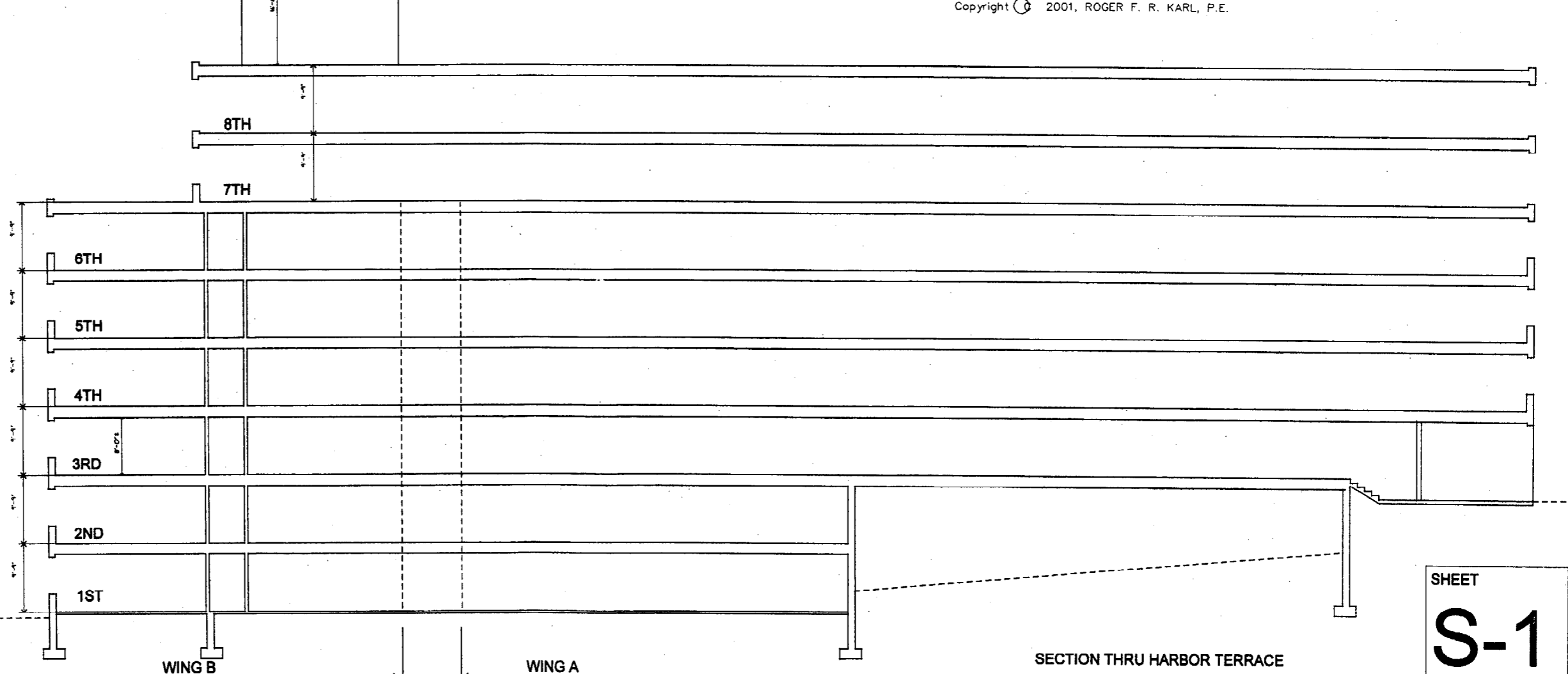
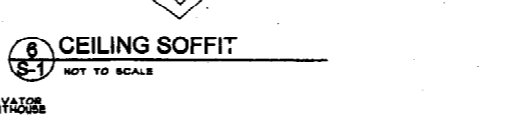
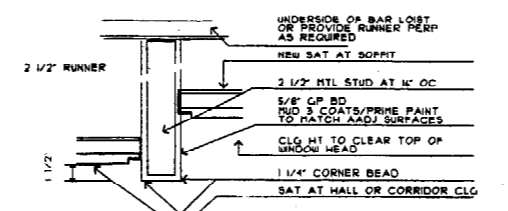
This is NOT a permit, you may not commence ANY work until the permit is issued. If you are in a Historic District you may be subject to additional permitting and fees with the Planning Department on the 4<sup>th</sup> floor of City Hall





**NOTES**

- 1 - REPLACE EXISTING EXCESS PRESSURE PUMP WITH A CODE COMPLIANT JOCKEY PUMP PUMP TO BE: GRUNDOS, SERIES 'C' MULTI-STAGE CENTRIFUGAL PUMP, TYPE CR2-KOU
- 2 - REPLACE EXISTING MANHOLE WITH A STORTZ CONNECTION ACCEPTABLE TO THE PORTLAND FIRE DEPARTMENT
- 3 - PROVIDE IN EACH STAIRWELL A DEDICATED DRAINAGE SYSTEM TO SERVE THE NEEDS OF THE SURE-TEST DRAIN ( TEST VALVE CONNECTION PROVIDING A DRAIN ON EACH FLOOR AND DISCHARGING TO THE OUTSIDE AT GRADE IN A RAMBER WHICH WILL PREVENT FLOODING BECOMING A HAZARD TO PEDESTRIANS OR VEHICLES. PROVIDING A SCUPPER AT THE TERMINAL POINT OR OTHER METHOD OF PREVENTING RODENT ENTRY FABRICATE FROM GALVANIZED STEEL PIPE - SIZE FOR FLOW USING STATE OF MAINE PLUMBING CODE
- 4 - EXISTING RISER CHUTE IS PROTECTED WITH A SPRINKLER HEAD CONNECTED TO THE DOMESTIC SYSTEM DISCONTINUE THIS SYSTEM & REMOVE - ESTABLISH CODE COMPLIANT COVERAGE FOR THE CHUTE MONITORING IT AS A SEPARATE ZONE
- 5 - INDEX OF SPRINKLER HEADS  
 DRY PRESENT CONCEALED - RELIABLE mm GSA - 88 P - 88TS - 1/2" ORifice - LENGTH AS REQUIRED  
 RESIDENTIAL CONCEALED PRESENT - RELIABLE mm P/RS - 88 P - 88TS - 1/2" ORifice  
 RESIDENTIAL CONCEALED PRESENT - HORIZONTAL SIDEWALL - RELIABLE mm P - 88 P - 88TS - 1/2" ORifice  
 CONVENTIONAL UPRIGHT 1 PRESENT - RELIABLE mm G - TEMPERATURE AS APPROPRIATE - NATURAL BRONZE - 1/2" ORifice  
 1 - PAINT ALL EXPOSED PIPING PRIMER + 2 COATS - COLOR TO MATCH OWNERS REQUIREMENTS (EXCEPTION NO PRIMER ON CPVC PIPING)  
 2 - PIPING OF SPRINKLER SYSTEM TO BE FABRICATED OF 100% IN ALL APARTMENTS AND CORRIDORS, SCHEDULE 40 STEEL IN ALL OTHER LOCATIONS  
 3 - INSTALL PIPING SO AS TO INSURE HEADS TO BE LOCATED IN CENTER OF FULL TIES OR SAT  
 4 - PROVIDE AND INSTALL SUSPENDED ACoustICAL CEILING USING ARMSTRONG CORTEGA TO AT ALL CORRIDOR CORRIDORS, COMMON AREAS, AND LOBBY AREAS ON FLOORS 1 THRU 6 MAINTAIN HEIGHT OF 7'-2" CLEAR HEADROOM. REMOVE EXISTING CLG TIE AND GRID IN AREAS WHERE PRESENT. INSTALL NEW CLG SYSTEM IN THESE AREAS  
 5. DROP ALL WORK OF DETECTORS, ALARMS, SIGNATORS, AND PAINT WORK OF LIGHTS TO FLOOR/CEILING  
 6. ALL NEW SAT CLG - SEE SPEC.  
 7. PROVIDE AND INSTALL FLOOR SWITCHES INDICATING AREAS OF PROBLEM ACTIVITY TO THE CONTROL PANEL  
 8. PROVIDE AND INSTALL SHUT OFF VALVES AT EACH FLOOR AND PROVIDE AND INSTALL BACKFLOW PREVENTER.  
 9. UNDER THE SCOPE OF THE WORK THE CONTRACTOR IS TO BE RESPONSIBLE FOR ALL WORK ASSOCIATED WITH THE GOALS OF THIS PROJECT. TO INCLUDE THE FOLLOWING NOT NECESSARILY AND EXHAUSTIVE LIST:  
 - ALL ELEMENTS ASSOCIATED WITH PROVIDING AN ADEQUATE WATER SUPPLY  
 - ALL ELEMENTS ASSOCIATED WITH PROVIDING AN NFPA 13 COMPLIANT AUTOMATIC FIRE PROTECTION SYSTEM  
 - ALL ELEMENTS ASSOCIATED WITH THE EXPANSION OF THE FIRE ALARM/DETECTION/FLOW/MONITORING SYSTEM  
 - ALL ASSOCIATED ELECTRICAL WORK  
 - ALL ASSOCIATED CUTTING AND PATCHING AND PAINTING  
 - ALL PREPARATION AND PAINTING OF PIPING  
 - ALL ELEMENTS ASSOCIATED WITH THE PROVISION OF HANG CEASING IN ALL CORRIDORS  
 - ALL CLEANING AND DISPOSAL  
 10. THE CONTRACTOR SHALL PROVIDE CHECK VALVES AT EACH FLOOR CONTROL ASSEMBLY.  
 11. DRAWING IS CONSIDERED TO HAVE BEEN REVIEWED BY THE CONTRACTOR TO PROVIDE ENGINEERING AS REQUIRED TO DESIGN A CODE COMPLIANT, WORKABLE, AND COMPLETE INSTALLATION SUITABLE FOR INTENDED USE.



**SCHEMATIC FIRE PROTECTION SYMBOLS - TO BE USED IN PREPARING AS BUILT DRAWINGS**

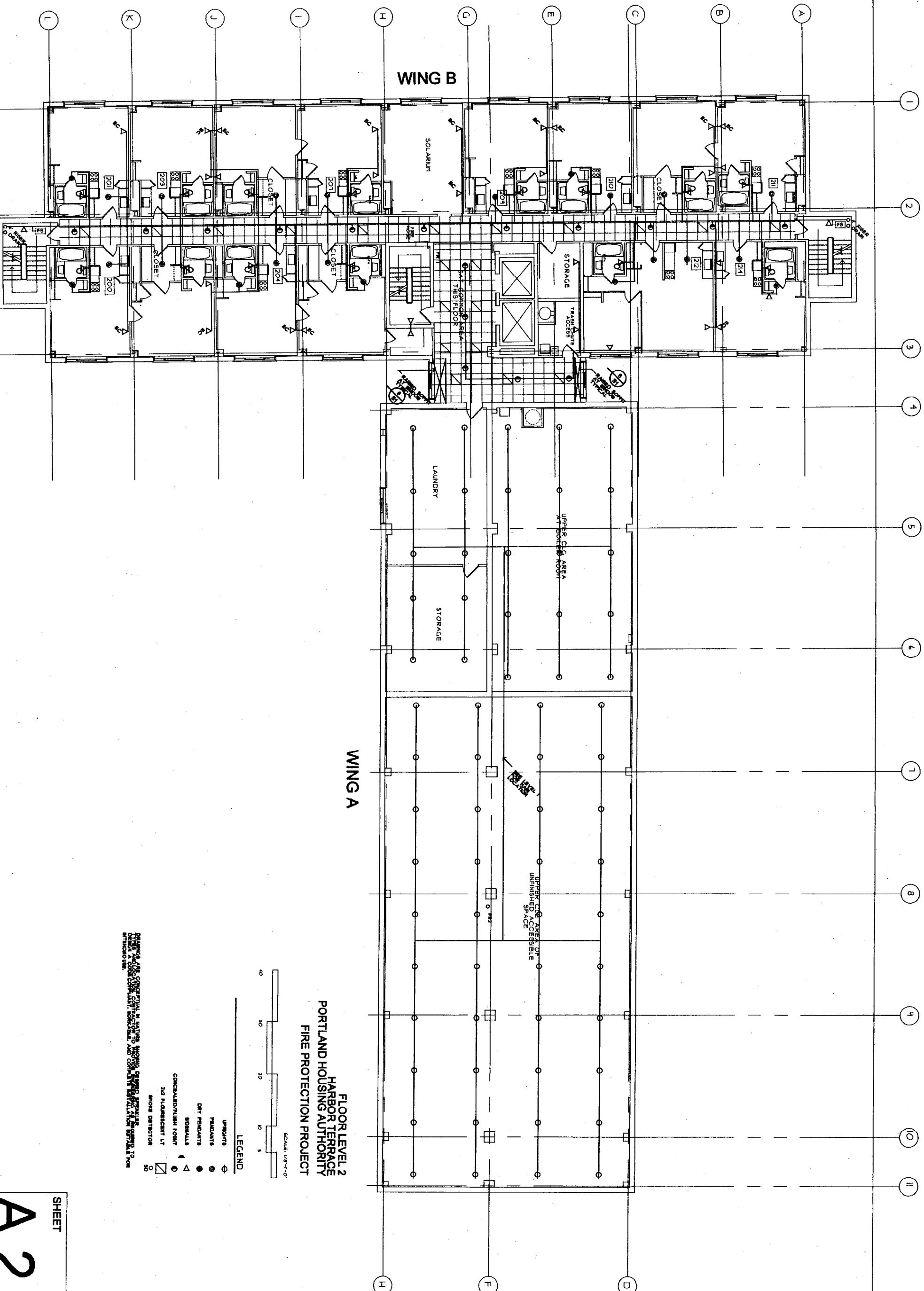
<ul style="list-style-type: none"> <li>T - TAMPER SWITCH</li> <li>8 - INDICATES VALVE NUMBER (SEE VALVE CHART)</li> <li>SHADE FIRE DEPARTMENT CONNECTION, 2 1/2" UNLESS OTHERWISE NOTED.</li> <li>B - INDICATES AUTOMATIC DRAIN VALVE (BALL DRIP)</li> <li>FIRE HYDRANT ASSEMBLY</li> <li>ALARM CHECK VALVE</li> <li>DRY PIPE VALVE</li> <li>DELUGE VALVE</li> <li>PREACTION VALVE</li> <li>CONNECTION TO SPRINKLER SYSTEM</li> <li>CONNECTION TO STANDPIPE SYSTEM</li> <li>FE - FLOW SWITCH</li> <li>FIRE PUMP, N.O.S.</li> <li>TEST RAMPOLD</li> </ul>	<ul style="list-style-type: none"> <li>PLUG VALVE, N.O.S.</li> <li>BALL VALVE, N.O.S.</li> <li>GLOBE VALVE, N.O.S.</li> <li>GATE VALVE, N.O.S.</li> <li>GATE VALVE, RISING STEM</li> <li>GATE VALVE, O.S. I Y.</li> <li>FLANGED O.S. I Y. GATE VALVE</li> <li>BUTTERFLY VALVE, N.O.S.</li> <li>CHECK VALVE, N.O.S. POINTING IN THE DIRECTION OF FLOW</li> <li>LOCK I SHIELD GLOBE VALVE</li> <li>LOCK I SHIELD GATE VALVE</li> <li>BOILER DRAIN (HOSE MBS)</li> <li>BYPASS BALANCE VALVE</li> <li>ANGLE VALVE, GATE</li> <li>ANGLE VALVE, GLOBE</li> <li>INDICATES BREAK IN ILLUSTRATION OF PIPING</li> <li>STANDPIPE FEED MAINS - F</li> <li>SPRINKLER FEED MAINS - SP</li> <li>UPRIGHT HEAD</li> <li>PENDENT HEAD</li> <li>DRY PENDENT HEAD</li> <li>HORIZONTAL SIDEWALL HEAD</li> <li>EC = EXTENDED COVERAGE</li> <li>DEVELOPED LENGTH TO CL. OF SYSTEM RISER</li> <li>ELEVATION OF CL. OF OUTFLOW RELATIVE TO BASE OF SYSTEM RISER</li> <li>FIRE HYDRANT ASSEMBLY</li> </ul>	<ul style="list-style-type: none"> <li>WATER SUPPLY, CITY MAIN, UNLESS OTHERWISE NOTED</li> <li>DIRECTION OF FLOW</li> <li>PIPING DESIGNATION</li> <li>WATER METER, N.O.S.</li> <li>GAGE ASSEMBLY (WITH SHUTOFF VALVE)</li> <li>CONCENTRIC REDUCER OR INCREASER</li> <li>ECCENTRIC REDUCER OR INCREASER</li> <li>UNION</li> <li>FLANGED CONNECTION POINTING IN THE DIRECTION OF FLOW</li> <li>15 DEGREE ELBOW</li> <li>90 DEGREE RETURN</li> <li>PLUGGED LINE OR DEVICE</li> <li>CAPPED LINE OR DEVICE</li> <li>FLANGED TEE</li> <li>HC - HOSE CABINET</li> <li>3/4"</li> <li>DIRECTION OF FLOW</li> <li>North</li> </ul>
--	--	---

**NOTES**

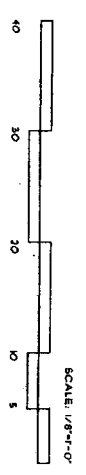
- 1 - CLASS I STANDPIPE REQUIREMENTS (MIN. 500 GPM @ 4 PSIG BUT ( 100 PSIG)
- 2 - CLASS II STANDPIPE REQUIREMENTS (MIN. 100 GPM @ 4 PSIG BUT ( 100 PSIG)

Copyright © 2001, ROGER F. R. KARL, P.E.

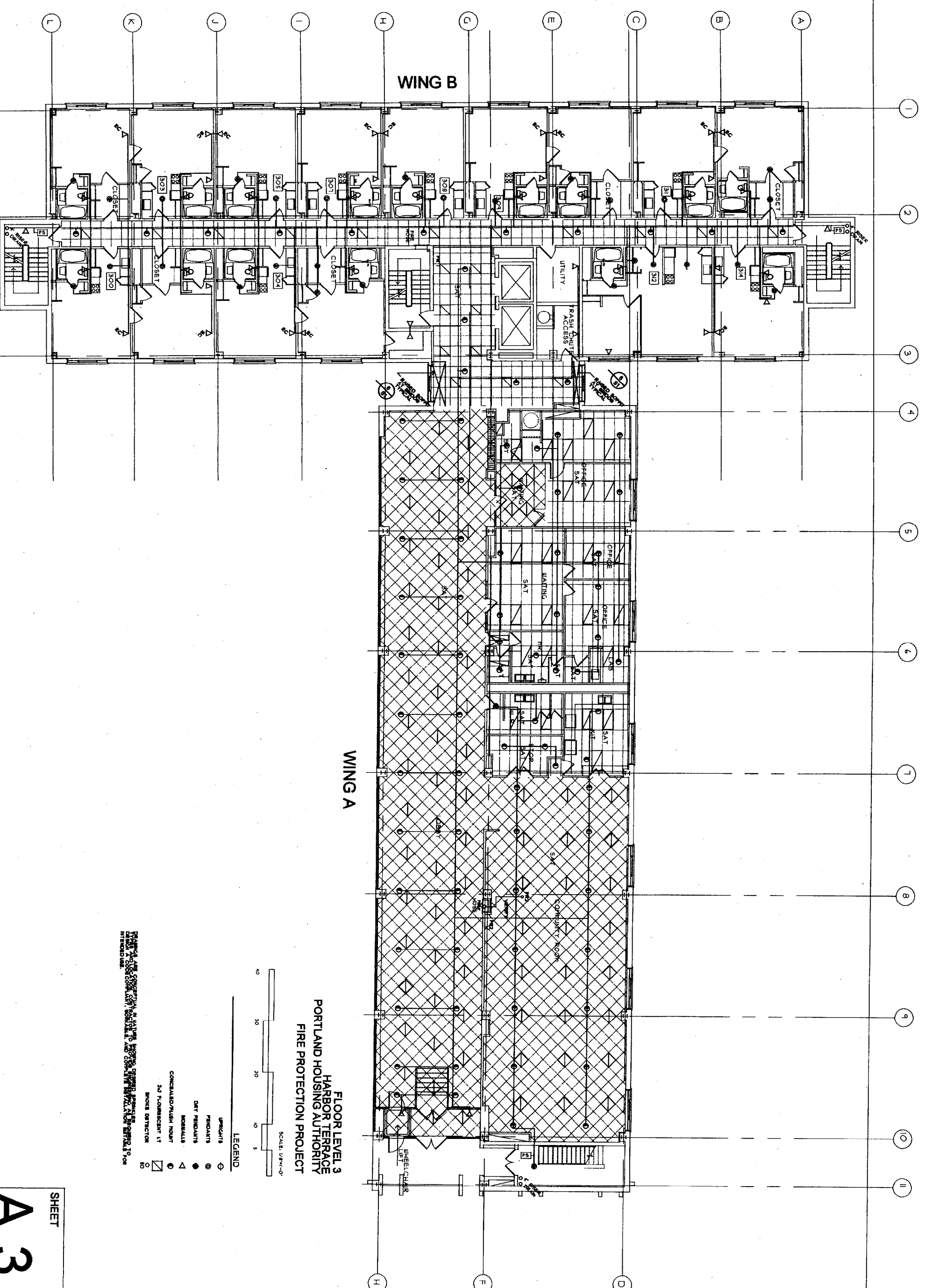




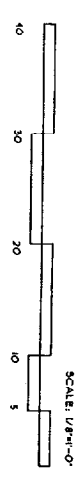
FLOOR LEVEL 2  
 HARBOR TERRACE  
 PORTLAND HOUSING AUTHORITY  
 FIRE PROTECTION PROJECT



- LEGEND**
- UNFINITS
  - PENDANTS
  - DIM PENDANTS
  - SMOKEBALLS
  - CONCEALED/PLUMB ROBOT
  - 2ND FLOOR ESCAPE LT
  - SMOKE DETECTOR
- PORTLAND HOUSING AUTHORITY  
 1000 NE OREGON STREET, PORTLAND, OREGON 97232  
 ARCHITECT: JAMES H. HARRIS ARCHITECTS, PORTLAND, OREGON  
 INTERIOR DESIGN: JAMES HARRIS ARCHITECTS, PORTLAND, OREGON



**FLOOR LEVEL 3**  
**HARBOR TERRACE**  
**PORTLAND HOUSING AUTHORITY**  
**FIRE PROTECTION PROJECT**



- LEGEND**
- UPRAITS
  - PENDANTS
  - DRY PENDANTS
  - MOBILIARS
  - CONCEALED/TUBIN HOIST
  - 24 HOUR DETECTOR
  - SMOKE DETECTOR
  -

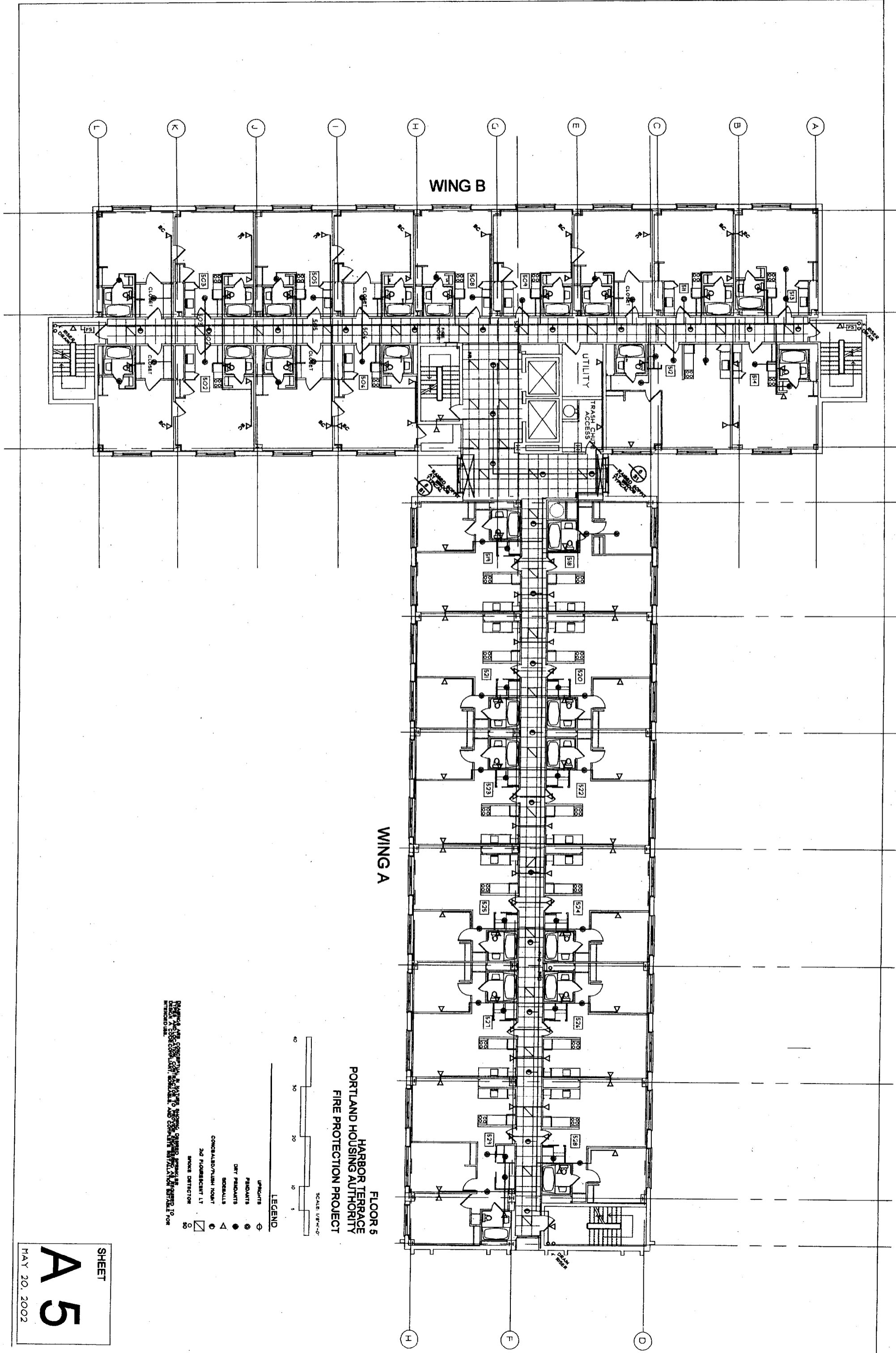
REVISIONS AND COMMENTS IN LARGE BLOCKS. GENERAL REVISIONS IN SMALL BLOCKS. SEE SHEET 301 FOR COMPLETE REVISIONS. SEE SHEET 302 FOR INTERFERENCES.

SHEET

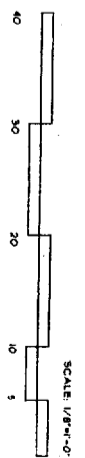
**A 3**

MAY 20, 2002





REMARKS: SEE COMMENTS IN NOTES REGARDING SMOKE BALLS. SMOKE BALLS ARE TO BE INSTALLED IN ALL ROOMS AND COMMON AREAS. SMOKE BALLS TO BE INSTALLED IN ALL ROOMS AND COMMON AREAS. SMOKE BALLS TO BE INSTALLED IN ALL ROOMS AND COMMON AREAS.



LEGEND

- UPRIGHTS
- PENDANTS
- DRY PENDANTS
- SMOKEBALLS
- CONCEALED/FLUSH MOUNT
- 20 FLUORESCENT LT
- SMOKE DETECTOR

FLOOR 5  
HARBOR TERRACE  
PORTLAND HOUSING AUTHORITY  
FIRE PROTECTION PROJECT

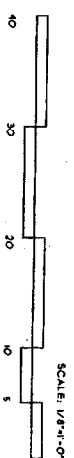
SHEET  
**A 5**  
MAY 20, 2002



WING B

WING A

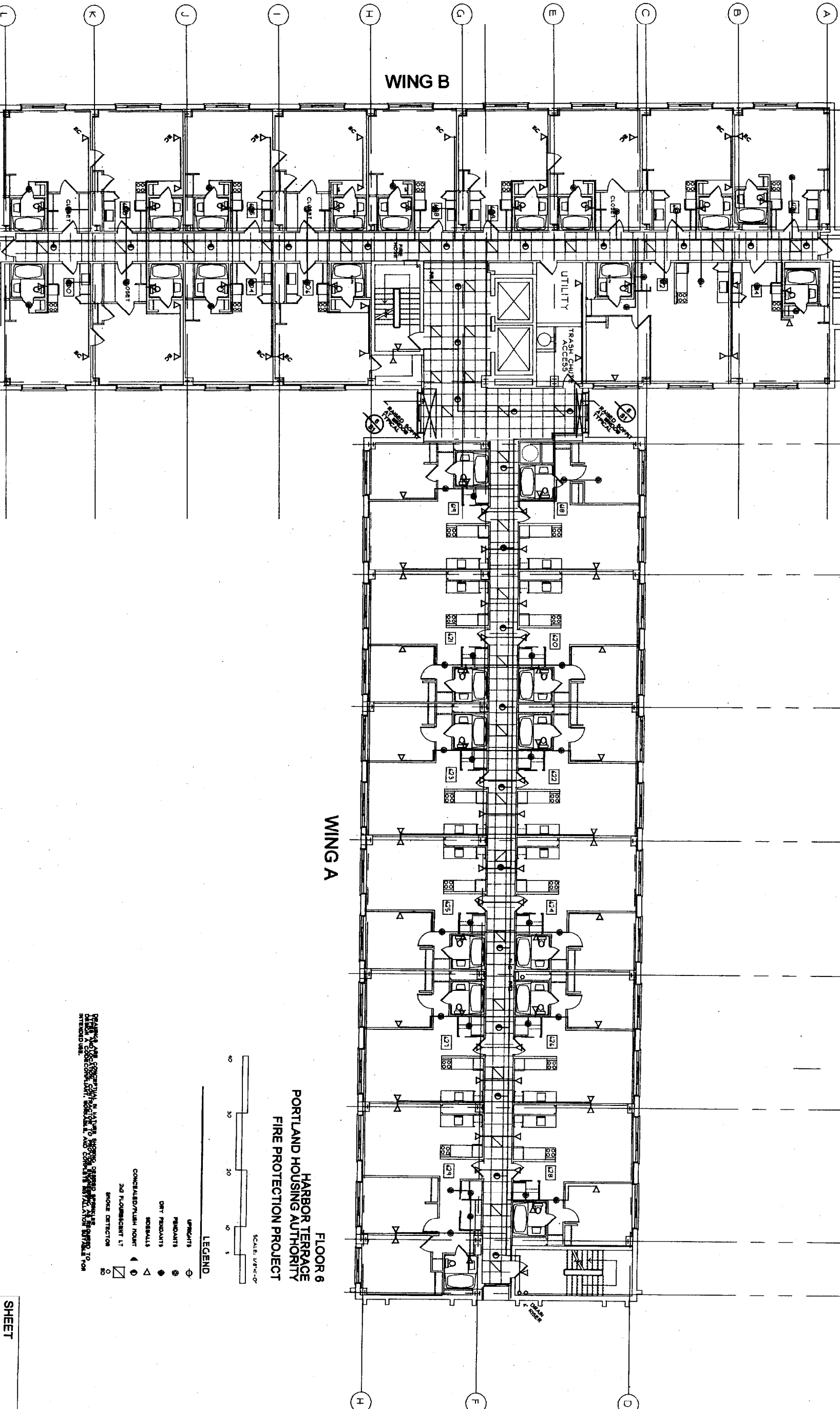
FLOOR 8  
HARBOR TERRACE  
PORTLAND HOUSING AUTHORITY  
FIRE PROTECTION PROJECT



LEGEND

- UPRICHTS
- RELOCANTS
- DRY PIPERANTS
- ROSMALLS
- CONCEALED/PLUMB HOIST
- 2nd FLOOR/SCHEMATIC LT
- SMOKE DETECTOR

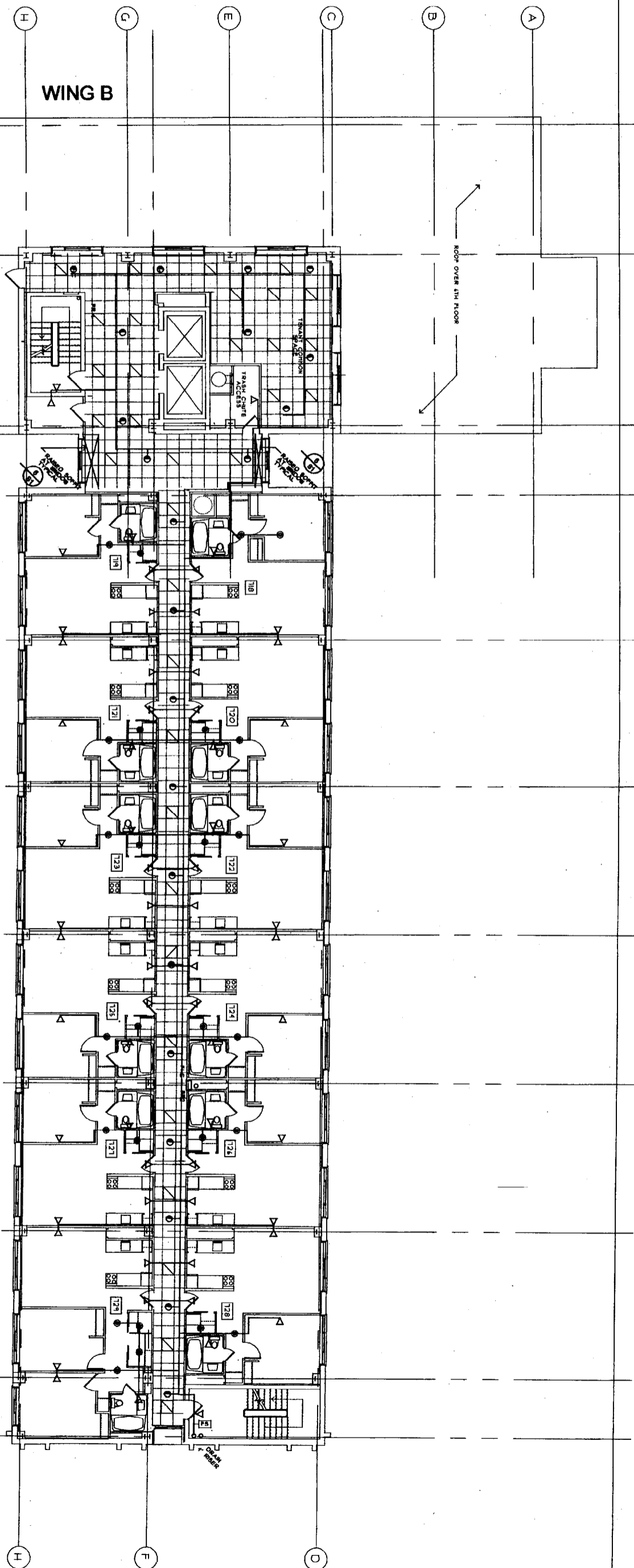
DATE: 5/10/02  
DRAWN BY: J. B. BROWN  
CHECKED BY: J. B. BROWN  
REVISIONS: 1. 5/10/02  
2. 5/10/02  
3. 5/10/02  
4. 5/10/02  
5. 5/10/02  
6. 5/10/02  
7. 5/10/02  
8. 5/10/02  
9. 5/10/02  
10. 5/10/02  
11. 5/10/02  
12. 5/10/02  
13. 5/10/02  
14. 5/10/02  
15. 5/10/02  
16. 5/10/02  
17. 5/10/02  
18. 5/10/02  
19. 5/10/02  
20. 5/10/02  
21. 5/10/02  
22. 5/10/02  
23. 5/10/02  
24. 5/10/02  
25. 5/10/02  
26. 5/10/02  
27. 5/10/02  
28. 5/10/02  
29. 5/10/02  
30. 5/10/02  
31. 5/10/02  
32. 5/10/02  
33. 5/10/02  
34. 5/10/02  
35. 5/10/02  
36. 5/10/02  
37. 5/10/02  
38. 5/10/02  
39. 5/10/02  
40. 5/10/02  
41. 5/10/02  
42. 5/10/02  
43. 5/10/02  
44. 5/10/02  
45. 5/10/02  
46. 5/10/02  
47. 5/10/02  
48. 5/10/02  
49. 5/10/02  
50. 5/10/02  
51. 5/10/02  
52. 5/10/02  
53. 5/10/02  
54. 5/10/02  
55. 5/10/02  
56. 5/10/02  
57. 5/10/02  
58. 5/10/02  
59. 5/10/02  
60. 5/10/02  
61. 5/10/02  
62. 5/10/02  
63. 5/10/02  
64. 5/10/02  
65. 5/10/02  
66. 5/10/02  
67. 5/10/02  
68. 5/10/02  
69. 5/10/02  
70. 5/10/02  
71. 5/10/02  
72. 5/10/02  
73. 5/10/02  
74. 5/10/02  
75. 5/10/02  
76. 5/10/02  
77. 5/10/02  
78. 5/10/02  
79. 5/10/02  
80. 5/10/02  
81. 5/10/02  
82. 5/10/02  
83. 5/10/02  
84. 5/10/02  
85. 5/10/02  
86. 5/10/02  
87. 5/10/02  
88. 5/10/02  
89. 5/10/02  
90. 5/10/02  
91. 5/10/02  
92. 5/10/02  
93. 5/10/02  
94. 5/10/02  
95. 5/10/02  
96. 5/10/02  
97. 5/10/02  
98. 5/10/02  
99. 5/10/02  
100. 5/10/02



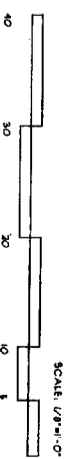
SHEET

A 6

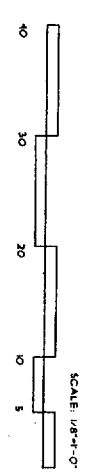
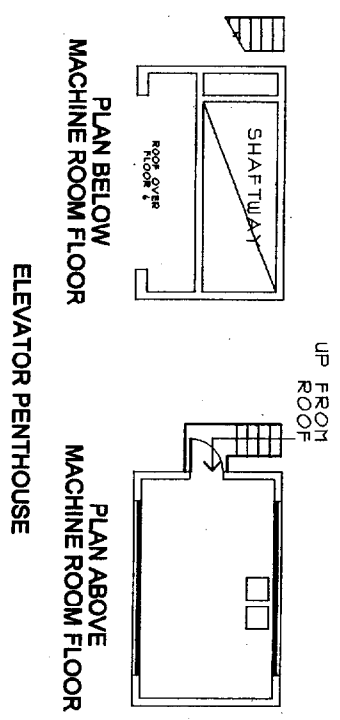
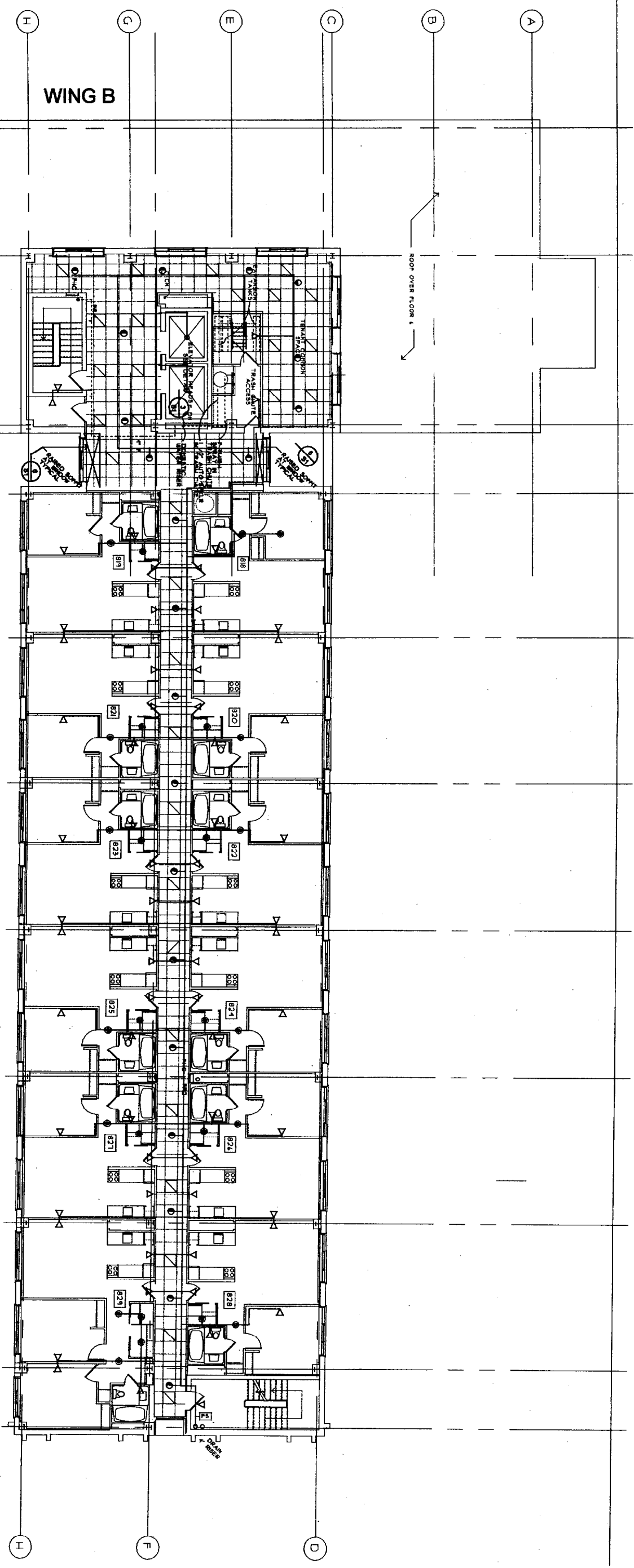
MAY 20, 2002



FLOOR 7  
 HARBOR TERRACE  
 PORTLAND HOUSING AUTHORITY  
 FIRE PROTECTION PROJECT



- LEGEND
- ⊕ UNIFORMS
  - ⊙ PENDANTS
  - DRY PENDANTS
  - ⊖ ROSSALLS
  - ⊕ CONCEALED/PLUMB HOIST
  - ⊕ 241 HOURESCENT LT
  - ☐ SMOKE DETECTOR
  - 85
- DESIGNED BY: JAMES H. HARRIS, ARCHITECT  
 DRAWN BY: JAMES H. HARRIS, ARCHITECT  
 CHECKED BY: JAMES H. HARRIS, ARCHITECT  
 DATE: MAY 20, 2002



- LEGEND**
- UP/ROOFS
  - ⊙ PENDANTS
  - ⊙ DMF PENDANTS
  - ROSSALLS
  - △ CONCEALED/FLUSH LIGHT
  - ⊙ 2x4 FLOURESCENT LT
  - ⊙ SMOKE DETECTOR
  - 30

REVISIONS TO THIS DRAWING SHALL BE MADE BY THE ARCHITECT AND SHALL BE INDICATED BY A CIRCLED NUMBER IN THE REVISIONS AREA.

**FLOOR 8**  
**HARBOR TERRACE**  
**PORTLAND HOUSING AUTHORITY**  
**FIRE PROTECTION PROJECT**